Please replace the Abstract of the Disclosure on page 26 with the following:

Abstract of the Disclosure

~~The present invention is a program to monitor the actual, expected and predicted output performance of a process unit in an oil refinery.~~

The present invention is a method to monitor and analyze the performance of a hydrocarbon-processing unit such as a pipestill or hydrocracker unit. The invention includes the steps of collecting historical data relating to the hydrocarbon processing unit, from a process history database, validating the historical data, correcting the data performing a workup to determine the output measurements for the hydrocarbon processing unit, and storing the results of the workup in the process history database.